Injury Vol. 29, No. 10, pp. III–XVI, 1998
© 1998 Elsevier Science Ltd. All rights reserved
Printed in Great Britain
0020-1383/98 $98 $19.00 + 0.00

INJURY

International Journal of the Care of the Injured

INDEX TO VOLUME 29 1998

INDEX

Volume 29 Number 1 January 1998

Obituary

v **Richard Lindsey Batten**
N. Tubbs

Papers

1 **Are lateral X-rays useful in the treatment of fractures of the fourth and fifth metacarpals?**
M. Braakman

5 **Functional taping of fractures of the 5th metacarpal results in a quicker recovery**
M. Braakman, E. E. Oderwald and M. H. H. J. Haentjens

11 **Percutaneous endoscopic gastrostomy for patients with severe cerebral injury**
W. L. Akkersdijk, J. A. Roukema and C. vd Werken

15 **A high risk group for thoracolumbar fractures**
M. J. C. Stanislas, J. M. Latham, K. M. Porter, E. K. Alpar and A. J. Stirling

19 **Surgical treatment of post-traumatic pelvic deformities**
P. Vanderschot, K. Daenens and P. Broos

23 **The use of non-absorbable suture in the fixation of patellar fractures: a preliminary report**
S. C. Chatakondu, S. Abhaykumar and D. S. Elliott

29 **Magnetic resonance assessment of inversion ankle injuries in children**
J. Stuart, R. Boyd, S. Derbyshire, B. Wilson and B. Phillips

31 **The mechanical quality of osteophytes**
O. O. A. Oni and C. J. Morrison

35 **Intact autocrine activation and cytokine production by PMNs from injured adults with elevated Candida antigen titres**
J. F. Sweeney, A. S. Rosemurgy, S. Wei and J. Y. Djeu

41 **Arthroscopic debridement of external fixator pin tracts**
R. L. Morgan-Jones, S. Burgert and J. B. Richardson

43 **Structure and process components of trauma care services in Israeli acute-care hospitals**
R. Ben Abraham, R. J. Heruti, Y. Abramovitch, B. Marganit, J. Shemer and M. Stein

47 **Cutting-out of the lag screw after internal fixation with the Asiatic gamma nail**
S. Kawaguchi, K. Sawada and Y. Nabeta

55 **Disability after severe injury: five year follow up of a large cohort**
I. J. Braithwaite, D. A. Boot, M. Patterson and A. Robinson

61 **The role of MRI in the diagnosis of occult hip fractures**
R. Pandey, E. McNally, A. Ali and C. Bulstrode

65 **Survey of abdominal ultrasound and diagnostic peritoneal lavage for suspected intra-abdominal injury following blunt trauma**
I. M. Bain, R. M. Kirby, P. Tiwari, J. McCraig, A. L. Cook, P. A. Oakley, J. Templeton and M. Braithwaite

Case reports

73 **Tibial plateau fracture following allograft anterior cruciate ligament (ACL) reconstruction**
Z. M. El-Hage, A. Mohammed, D. Griffiths and J. B. Richardson

75 **Femoral neck fracture complicating a missed acetabular fracture in an elderly patient**
C. F. Mann and M. I. Rebollo

77 **Aneurysm of the thyrocervical trunk after blunt cervical injury**
S. Houshian and T. D. Poulsen

79 **Radial stress fracture adjacent to a metal plate following weight training**
N. A. Evans and D. J. Pemberton

Ideas and Innovations

81 **Unreamed intramedullary nailing of femoral shaft fractures using a traction device**
P. Reynders and P. L. O. Broos

Volume 29 Number 2 March 1998

85 **Editorial**

Review

87 **A review of post-traumatic stress disorder. Part I: Historical development and classification**
G. J. Turnbull

Papers

93 **Median nerve compression associated with displaced Salter-Harris Type II distal radial epiphyseal fracture**
P. M. Binfield, A. Sott-Miknas and C. J. Good

95 **Gunshot injuries of the lower oesophagus**
G. P. Naude, F. van Zyl and F. S. Bongard

99 **Patient preference for route of diclofenac**
A. S. Lockey

101 **Angulated screw placement in the lateral condylar buttress plate for supracondylar femoral fractures**
P. T. Simonian, G. J. Thompson, W. Emley, R. M. Harrington, S. K. Benirschke and M. F. Swiontkowski

105 **Ravascularization of the limbs using vein grafts after vascular injuries**
E. Bastounis, E. Pikoulis, A. K. Leppäniemi, P. Michail and D. Alexiou

109 **MR imaging of suspected acute spinal instability**
R. L. Williams, J. A. Hardman and K. Lyons

115 **Improvement in the therapy of multiply injured patients by introduction of clinical management guidelines**
S. Ruchholtz, B. Zintl, D. Nast-Kolb, C. Waydhas, U. Lewan, K. G. Kanz, D. Schwender, K. J. Pfeifer and L. Schweiberer

131 **Fat embolism syndrome in isolated femoral fractures: does timing of nailing influence incidence?**
S. J. Pinney, J. F. Keating and R. N. Meek

135 **Kocher's painless reduction of anterior dislocation of the shoulder: a prospective randomised trial**
M. G. Uglow

Case reports

139 **Delayed onset of retrobulbar haemorrhage following severe head injury: a case report and review**
K. Ghufoor, G. Sandhu and J. Sutcliffe

142 **Traumatic pseudomeningocele at cranio-vertebral junction following stab injury**
H. Kanti Pal, G. B. Bhatty, S. Deb and S. Mishra

144 **Fibular malreduction in AO/Weber type C ankle fractures**
L. Wanders and C. W. Oliver

147 **Letters to the Editor**

149 **Proceedings of the British Trauma Society**

Volume 29 Number 3 March 1998

Review

169 **A review of post-traumatic stress disorder. Part II: Treatment**
G. J. Turnbull

Papers

177 **10 year experience of splenic injury: an increasing place for conservative management after blunt trauma**
I. M. Bain and R. M. Kirby

183 **Raised compartmental pressure in children: a basis for management**
M. Mars and G. P. Hadley

187 **Angiographic embolisation in pelvic fracture**
J. V. Perez, T. M. D. Hughes and K. Bowers

193 **Medical management in south-west Sweden of children and adolescents with serious traumatic brain injury**
I. Emanuelson and L. v Wendt

199 **Neurological sequelae of minor head and neck injuries**
P. J. B. Landy

207 **A technique to obtain correct rotational alignment during closed locked intramedullary nailing of the femur**
R. G. Deshmukh, K. K. Lou, C. B. Neo, K. S. Yew, I. Rozman and J. George

211 **Pelvic fracures: the golden hour**
A. Meighan, A. Gregori, M. Kelly and G. MacKay

215 **Management of displaced femoral neck fractures in young adults (a group at risk)**
V. K. Gautam, S. Anand and B. K. Dhaon

219 **Is early kinetic positioning beneficial for pulmonary function in multiple trauma patients?**
H.-C. Pape, D. Remmers, A. Weinberg, B. Graf, H. Reilmann, S. Evans, G. Regel and H. Tscherne

227 **The biomechanical properties of facia lata grafts: a preliminary study**
O. L. Thomas, C. Morrison, L. Howard and O. O. A. Oni

229 **Compartment pressure monitoring—current UK orthopaedic practice**
P. R. Williams, I. D. Russell and W. J. Mintowt-Czyz

233 **The influence of screw torque, object radius of curvature, mode of bone plate application and bone plate design on bone-plate interface mechanics**
J. R. Field, T. C. Hearn and C. B. Caldwell

Case reports

243 **Haemorrhagic secondary prostatic metastasis of the terminal phalanx of the thumb**
A. B. Massraf and J. S. Wand

246 **Simultaneous dislocation of both inter-phalangeal joints and flexor tendon tear in a finger**
M. Kligman and M. Roffman

248 **An unorthodox solution to an intra-operative complication of hip fracture fixation**
C. K. J. Lam, W. C. Wu and F. K. Ip

250 **Letter to the Editor**

Volume 29 Number 4 May 1998

Review

253 **Life-threatening complications and irreversible damage following maxillofacial trauma**
L. Ardekian, D. Rosen, Y. Klein, M. Peled, M. Michaelson and D. Laufer

Papers

257 **The use of facsimiles in acute patient transfers: experience with brachial plexus injuries**
G. E. B. Giddins, S. J. Drew and R. Birch

261 **The Hyphecan cap: a biological fingertip dressing**
A. S. Halim, C. A. Stone and V. S. Devaraj

265 **Subtalar instability following lateral ligament injuries of the ankle**
H. Yamamoto, K. Yagishita, T. Ogiuchi, H. Sakai, K. Shinomiya and T. Muneta

269 **The treatment of selected fractures of the humeral shaft with the True-Flex nail**
C. Garnavos, J. Seaton and P. G. Lunn

277 **Long-term physical, psychological and social consequences of a fracture of the ankle**
C. K. van der Sluis, W. H. Eisma, J. W. Groothoff and H. J. ten Duis

281 **Long-term physical, psychological and social consequences of severe injuries**
C. K. van der Sluis, W. H. Eisma, J. W. Groothoff and H. J. ten Duis

287 **Femoral fractures in the elderly treated with an unreamed titanium nail**
S. H. Zaki, S. Shamsi and M. S. Butt

293 **The role of the anterior column of the acetabulum on pelvic stability: a biomechanical study**
T. Harnroongroj

297 **Safety standards for stab-resistant body armour: a computer tomographic assessment of organ to skin distances**
S. E. J. Connor, A. Bleetman and M. J. Duddy

301 **Deaths and injuries due to unexploded ordnance (UXO) in northern Lao PDR (Laos)**
M. Morikawa, S. Taylor and M. Persons

305 **Pain clinic management of medico-legal litigants**
N. R. M. Kay and H. Morris-Jones

309 **Distal forearm fractures in children: the role of radiographs during follow up**
J. S. Green, S. C. Williams, D. Finlay and W. M. Harper

313 **Open reduction and internal fixation in 46 displaced intraarticular calcaneal fractures**
K. Strømsøe, E. Mørk and E. S. Hem

Case reports

317 **An intra-articular fracture of the scapulothoracic joint**
D. Limb, L. Funk and B. Jenkins

320 **Carotid artery thrombosis following a penetrating oro-pharyngeal injury of unusual aetiology**
S. S. Rayatt, P. Magennis and P. J. Hamlyn

323 **Paget's disease and odontoid peg fracture: a case report**
S. Hepple, J. M. Getty and D. L. Douglas

326 **Letters to the Editor**

Volume 29 Number 5 June 1998

Papers

329 **Reconstruction of the penis after severe injury**
G. X. Pei, K. Li and C. Xie

335 **Dorsal root ganglion injuries in 109 blunt trauma fatalities**
J. R. Taylor, L. T. Twomey and B. A. Kakulas

341 **Fractures of the capitellum—a comparison of two fixation methods**
A. R. Poynton, I. P. Kelly and S. K. O'Rourke

345 **Skin injury in the operating room**
T.-W. Lee, T.-M. Chen, T.-Y. Cheng, S.-G. Chen, S.-L. Chen, T.-D. Chou, G.-H. Chou, C.-H. Lee and H.-J. Wang

349 **Non-operative treatment of comminuted fractures of the proximal humerus in elderly patients**
K. Zyto

353 **Fracture of the distal forearm: epidemiological developments in the period 1971–1995**
J. Oskam, J. Kingma and H. J. Klasen

357 **Replantation of multi-level hand severances**
G. X. Pei, D. S. Zhao, C. P. Xie and S. T. Wang

363 **Penetrating ureteric injuries**
K. Azimuddin, D. Milanesa, R. Ivatury, J. Porter, M. Ehrenpreis and D. B. Allman

369 **Self-inflicted gunshot wounds to the head during the war and post-war period**
Dj. Vranković, B. Splavski, I. Hećimović, K. Glavina, B. Muršić, G. Blagus and B. Dmitrović

Case reports

375 **Adduction hip deformity following anterior dislocation of the hip**
A. A. Faraj and D. M. Hahn

377 **Quadriplegia caused by cervical hyper-extension injury and intramedullary spinal cord tumour: a case report of autopsy**
Y. Fujimura, M. Watanabe, M. Kihara and K. Akasaka

380 **The diagnostic problem associated with blunt traumatic azygous vein injury: delayed appearance of right haemothorax after blunt chest trauma**
K. Sugimoto, Y. Asari, M. Hirata, M. Imai and T. Ohwada

383 **An unusual case of irreducible knee dislocation**
K. Ashkan, R. W. Shelly and I. W. Barlow

385 **Neglected complete fracture-dislocation at the cervico-thoracic level without neurological deficit**
G. S. Sapkas, D. P. Stathakopoulos, E. Chronopoulos and S. Papadakis

390 **Delayed diagnosis of a ruptured brachial artery after posterior dislocation of the elbow**
H. Eijer, F. T. Ballmer, H. B. Ris and R. Hertel

393 **Management of a refracture of the femoral shaft with a bent intramedullary nail in situ**
P. Nicholson, J. Rice and J. Curtin

395 **Combined subclavian artery and brachial plexus injury following blunt trauma to the shoulder**
C. D. Karkos and G. J. L. Thomson

397 **Isolated bilateral first rib fractures—an unusual sequel of whiplash injury**
T. Qureshi, B. J. Mander and G. C. Wishart

399 **Gastric rupture due to cardiopulmonary resuscitation**
C. M. Oh and P. M. Hewitt

401 **Traumatic dislocation of tibialis posterior presenting late as a bony spur**
A. K. Gambhir and P. R. Kay

Volume 29 Number 6 July 1998

Papers

403 **Raised intracompartmental pressure and compartment syndromes**
M. Mars and G. P. Hadley

413 **Is there still a role for traditional methods in the management of fractures of the zygomatic complex?**
S. T. O'Sullivan, J. Panchal, J. M. O'Donoghue, E. S. Beausang, M. O'Shaughnessy and T. P. F. O'Connor

417 **Clinical evaluation of the LeMaire anterior concrete ligament lateral -substitution procedure. A quality audit of the Leicester modification**
O. L. Thomas, O. O. A. Oni and L. Howard

421 **Mennen paraskeletal plate fixation for fracture of the femoral shift in association with ipsilateral hip arthroplasty**
I. Otremski, I. Nusam, M. Glickman and R. J. Newman

425 **Severe and fatal childhood trauma**
P. Suominen, A. Kivioja, J. Öhman, R. Korpela, R. Rintala and K. T. Olkkola

431 **Long-term results of unstable pelvic ring fractures in children**
N. Schwarz, E. Posch, J. Mayr, F. M. Fischmeister, A. F. Schwarz and T. Öhner

435 **The Glasgow Coma Score: reliable evidence?**
J. Crossman, M. Bankes, A. Bhan and H. A. Crockard

439 **The removal of metalwork in children**
R. D. Jago and C. J. Hindley

443 **Management of chest injuries—a 5 year retrospective survey**
R. Kalyanaraman, W. F. De Mello and M. Ravishanker

447 **Late diagnosis and treatment of crush injuries of the fingertip in children**
G. E. B. Giddins and R. A. Hill

451 **Biomechanical behaviour at the distal third of the femur: possible use of a medial metaphyseal plate**
E. Rizzo, F. Ghisellini, J. Cordey, D. Wahl, S. Perren and M. Cannas

457 **Olecranon screw traction for displaced supracondylar fractures of the humerus in children**
N. P. Badhe and P. W. Howard

461 **Radiation exposure to the hands and the thyroid of the surgeon during intramedullary nailing**
L. P. Müller, J. Suffner, K. Wenda, W. Mohr and P. M. Rommens

469 **Ionising radiation during internal fixation of extracapsular neck of femur fractures**
P. V. Giannoudis, J. McGuigan and D. L. Shaw

Case reports

473 **Acute traumatic cardiac tamponade treated solely by percutaneous pericardial drainage**
C. A. Graham, Z. Latif, E. W. Muriithi, P. R. Belcher and A. J. Ireland

475 **Amniotic fluid embolism following blunt abdominal trauma in pregnancy**
A. Judich, J. Kuriansky, I. Engelberg, J. Haik, M. Shabtai and A. Czerniak

478 **Polypropylene mesh repair of iatrogenic thigh hernias**
H. Richards, R. Thomas and S. S. Upadhyay

479 **Diaphragmatic rupture presenting forty years after injury**
J. L. Faul

481 **Acute anterior compartment syndrome in the leg following strenuous exercise**
S. R. Koka, R. Bowry, J. C. D'Arcy and K. Cullen

483 **Fracture of the penis with urethral rupture**
D. Maharaj and V. Naraynsingh

484 **Small bowel obstruction following blunt abdominal trauma**
T. M. Lane and T. G. Williams

486 **Superior dislocation of the superior tibiofibular joint associated with fracture of the tibial shaft**
N. Roy, P. Halliwell and L. Taylor

489 **Laparoscopic forceps removal of a broken tibial intramedullary nail**
G. J. Charnley and W. J. Farrington

Volume 29 Number 7 September 1998

Editorial

491 **The orthropod e-mail list**
C. W. Oliver

Papers

493 **'Clearance' of cervical spine injury in the obtunded patient**
A. S. Lockey, R. Handley and K. Willett

499 **The effect of ongoing litigation on outcome scores following open reduction and internal fixation of the calcaneum**
G. J. Shepard, D. Sochart, L. Christodoulou and J. Doyle

503 **Spinal cord injuries in adolescents after gunshot wounds: an increasing phenomenon in urban North America**
E. H. Carrillo, J. K. Gonzalez, L. E. Carrillo, P. M. Chacon, N. M. Namias, O. C. Kirton and P. M. Byers

509 **Complement activation in injured patients occurs immediately and is dependent on the severity of the trauma**
E. Fosse, J. Pillgram-Larsen, J.-L. Svennevig, C. Nordby, A. Skulberg, T. E. Mollnes and M. Abdelnoor

515 **Imaging the problem scaphoid**
C. Kitsis, M. Taylor, J. Chandey, R. Smith, J. Latham, S. Turner and P. Wade

521 **Is Pauwels classification still valid?**
M. J. Parker and Y. Dynan

525 **Primary replacement of the humeral head in iatrogenically displaced fracture-dislocations of the shoulder: a report about six cases**
M. Demirhan, S. Akpinar, A. C. Atalar, S. Akman and Y. Akalin

529 **The epidemiology of open long bone fractures**
C. M. Court-Brown, S. Rimmer, U. Prakash and M. M. McQueen

535 **Distraction osteogenesis through high energy fractures**
R. M. Atkins, J. E. Sudhakar and A. J. Porteous

539 **A simple laser guide to reduce the screening time during the insertion of dynamic hip screws**
K. S. Conn and J. P. Hallett

Case reports

543 **Crepitus following a dog bite**
P. Gill and D. Lewis

546 **Chronic posterior knee dislocation: treatment with arthrolysis, posterior cruciate ligament reconstruction and hinged external fixation device**
M. Richter and P. Lobenhoffer

550 **A method of treatment of non-union of humeral shaft fractures following treatment by locked intramedullary nail: a report of three cases**
K. P. Emmerson and J. L. Sher

553 **Complex floating knee; trifocal tibial and ipsilateral femoral fracture**
P. Doyle and C. W. Oliver

556 **Tension pneumothorax in the presence of bilateral intercostal chest drains**
T. A. Campbell-Smith, S. P. Bendall and J. Davis

558 **Remodelling of valgus deformity secondary to proximal metaphyseal fracture of the tibia**
T. J. Brammer and G. D. Rooker

561 **Incarcerated lumbar hernia—delayed consequence of a seat belt injury**
G. Zamir, E. Gross, M. Simha, A. J. Pikarsky and A. Rivkind

564 **Finger flaps: using the modified neurovascular Tranquilli-Leali flap**
D. O'Connor and A. W. Samuel

567 **Spontaneous reduction of an inferior acromioclavicular joint dislocation**
T. R. Cresswell

569 **Letter to the Editor**

570 **Book Reviews**

Volume 29 Number 8 October 1998

Papers

573 **Civilian parachute injuries; 10 years on and no lessons learned**
M. Dawson, M. Asghar, S. Pryke and N. Slater

577 **An evaluation of the Weber classification of ankle fractures**
J. G. Kennedy, S. M. Johnson, A. L. Collins, P. DalloVedova, W. F. McManus, D. M. Hynes, M. G. Walsh and M. M. Stephens

581 **Comparison of the results of short-term rigid and semi-rigid cast immobilization for the treatment of grade 3 inversion injuries of the ankle**
S. Avcı and U. Şaylı

585 **Fractures of the hip: does the type of fall really affect the site of fracture?**
J. A. Hopkinson-Woolley and M. J. Parker

589 **Early active mobilisation of volar plate avulsion fractures**
W. J. Gaine, J. Beardsmore and N. Fahmy

593 **Results after operative treatment of intra-articular calcaneal fractures with a minimum follow-up of 2 years**
J. T. F. J. Raymakers, G. H. G. Dekkers and P. R. G. Brink

601 **The tension cord plaster: a method of immobilising the swollen elbow**
R. A. Brooks and K. M. Willett

605 **Hypothermia in critically ill trauma patients**
E. J. Rutherford, M. A. Fusco, C. R. Nunn, J. G. Bass, V. A. Eddy and J. A. Morris Jr.

609 **Long term morbidity in patients suffering a sternal fracture following discharge from the A and E department**
M. de Oliveira, T. B. Hassan, R. Sebewufu, D. Finlay and D. N. Quinton

613 **Management of war penetrating craniocerebral injuries during the war in Croatia**
M. Marcikić, A. Melada and R. Kovačević

619 **Percutaneous fixation of Maisonneuve and Maisonneuve-type fractures: a minimally invasive approach**
E. M. H. Obeid, M. Amr, P. Hirst and A. S. Paul

623 **CT findings of sternal fracture**
J. M. Huggett and M. H. Roszler

Case reports

627 **Cervical spine injuries sustained 'fly-jumping'**
P. Modi and A. J. Hamer

629 **Colles fracture from air bag deployment**
C. F. Ong and V. P. Kumar

632 **Avulsion fracture of the ischium**
J. R. Davis, C. Charalambides and M. D. Bircher

636 **Greatly delayed complication of medial epicondyle injury**
M. D. Clarke, C. M. Hobbs and G. W. Bowyer

640 **Septic arthritis due to *Actinomyces pyogenes***
P. Nicholson, P. Kiely, J. Street and K. Mahalingum

643 **Acute exertional peroneal compartmental syndrome following prolonged horse riding**
P. Nicholson, A. Devitt, M. Stephens and K. Mahalingum

645 **Telephone-mediated lightning injury causing cataract**
S. Dinakaran, S. P. Desai and D. M. Elsom

647 **Traumatic apophyseal avulsion of the greater trochanter: case report and review of the literature**
C. E. Mbubaegbu, D. O'Doherty and A. Shenolikar

650 **Letter to the Editor**

Volume 29 Number 9 November 1998

Papers

651 **The epidemiology of achilles tendon rupture in a Danish county**
S. Houshian, T. Tscherning and P. Riegels-Nielsen

655 **A comparison of rigid-v-video thoracoscopy in the management of chest trauma**
R. Karmy-Jones, E. Vallieres, K. Kralovich, M. Gasparri, V. J. Sorensen, H. M. Horst, J. H. Patton Jr., J. Wagner, D. Wood, S. Brundage and F. N. Obeid

661 **Use of an elastic intramedullary nail in difficult humeral fractures**
P. R. Williams and D. Shewring

671 **The use of the supracondylar nail in the management of femoral fractures in the presence of other femoral implants in the very elderly**
P. J. Ward and M. I. Goodwin

677 **Implementation of a two-tier trauma response**
J. M. Ryan, P. L. Gaudry, P. A. McDougall and P. J. McGrath

685 **The effect of knee flexion angle on knee stiffness values obtained using the Leicester arthrometer**
S. R. Mangaleshkar, C. Wildin, O. O. A. Oni and L. Howard

689 **"Biological" internal fixation of long bone fractures: a biomechanical study of a "non-contact" plate system**
I. A. Karnezis, A. W. Miles, J. L. Cunningham and I. D. Learmonth

697 **Increased survival after serious injury in patients admitted directly to critical care areas from the accident and emergency department**
T. R. J. Parke, J. Henry, P. T. Grant and R. L. Kennedy

705 **Pattern of injuries due to interpersonal violence**
O. Brink, A. Vesterby and J. Jensen

Case reports

711 **Estimation of artifacts induced by the Ilizarov device in quantitative computed tomographic analysis of tibiae**
M. G. Salmas, G. Nikiforidis, G. Sakellaropoulos, P. Kosti and E. Lambiris

717 **Post operative swelling in Ilizarov leg lengthening**
R. J. Sharp, J. M. Latham and A. H. R. W. Simpson

719 **Computer generated odontoid peg "fracture", a cause for concern?**
A. Collier and D. King

724 **Case report of a retained bullet in the lumbar spinal canal with preservation of cauda equina function**
J. A. Jeffery and R. Borgstein

727 **Traumatic aneurysm of the digital artery: a diagnostic problem**
U. D. Khan and R. E. Page

Technical note

730 **External fixation frame extension for pressure sore prevention**
A. Lerner, S. Freiman, G. Nierenberg and H. Stein

Ideas and innovations

732 **An aid to distal locking of the Russell–Taylor humeral nail**
P. Harrington and F. Howell

734 **Book reviews**

736 **Errata**

Volume 29 Number 10 December 1998

Papers

737 **Steffee variable screw placement system in the management of unstable thoracolumbar fractures: a third world experience**
M. Chadha and R. Bahadur

743 **Subtrochanteric missile fractures of the femur**
D. Nikolić, Z. Jovanović, G. Turković, R. Vulović and M. Mladenović

751 **Type four fracture of the medial epicondyle: a true indication for surgical intervention**
A. L. Pimpalnerkar, G. Balasubramaniam, S. K. Young and L. Read

757 **An aiming device for pin fixation at the iliac crest for external fixation in unstable pelvic fracture**
S. Waikakul, N. Kojaranon, V. Vanadurongwan and T. Harnroongroj

763 **Relationship between foot length and the inter anterior superior iliac distance**
S. Waikakul, V. Vanadurongwan and S. Sakarnkosol

769 **Ultrastructural analysis of ruptured tendon from anabolic steroid users**
N. A. Evans, D. J. Bowrey and G. R. Newman

775 **Cervical curvature in acute whiplash injuries: prospective comparative study with asymptomatic subjects**
M. Matsumoto, Y. Fujimura, N. Suzuki, Y. Toyama and H. Shiga

779 **Trauma admissions in the elderly: how does a patient's age affect the likelihood of their being admitted to hospital after a fracture?**
A. Johansen, R. Evans, C. Bartlett and M. Stone

785 **Pre-operative planning in orthopaedics: a study of surgeons' opinions**
R. H. Wade, J. Kevu and J. Doyle

Case reports

787 **Spontaneous resolution of a traumatic false aneurysm of the peroneal artery**
S. S. Upponi and M. Solan

789 **A simple technique for distal locking of tibial nails**
M. M. Rahman, W. S. Taha and M. M. Shaheen

791 **Fracture of the shaft of the radius and dislocation of the ipsilateral radial head in children: beware of rare injuries**
C. T. Lee, E. Tello and B. D. Ferris

793 **Closed interlocking nailing for fibular non-union**
S. Abhaykumar and D. S. Elliott

798 **Transverse divergent dislocation of the elbow with ipsilateral distal radius epiphyseal injury in a seven year old**
Y. K. Shankarappa

803 **Book Reviews**

Supplement 29, No. 1

The management of civilian intra-articular gunshot wounds: Treatment considerations and proposal of a classification system — Kent Ganocy II and Ronald W. Lindsey — 1

Gunshot wounds to the spine — Zekeriya U. Isiklar and Ronald W. Lindsey — 7

Humeral fracture secondary to civilian gunshot injury — Atul Joshi, Marc Labbe and Ronald W. Lindsey — 13

Management of civilian gunshot injuries of the femur A review of the literature — Joseph Tejan and Ronald W. Lindsey — 18

Foreign language abstracts	German	23
	French	25
	Italian	27
	Spanish	29
	Japanese	31
	Russian	34

Supplement 29, No. 2

Heat-induced segmental necrosis after reaming of one humeral and two tibial fractures with a narrow medullary canal	P. E. Ochsner, F. Baumgart and G. Kohler	1
The physics of heat generation during reaming of the medullary cavity	F. Baumgart, G. Kohler and P. E. Ochsner	11
Foreign language abstracts	German	26
	French	27
	Italian	29
	Spanish	30
	Japanese	32
	Russian	34

Supplement 29, No. 3

Foreword	C. Krettek	1
Fracture healing in biological plate osteosynthesis	F. Baumgaertel, M. Bohl and B. A. Rahn	3
Indirect reduction with a condylar blade plate for osteosynthesis of subtrochanteric femeral fractures	K. A. Siebenrock, U. Muller and R. Ganz	7
CT based analysis of the geometry of the distal femur	P. Guy, C. Krettek, J. Mannss, K. P. Whittall, P. Schandelmaier and H. Tscheme	16
Combined internal and external osteosynthesis with special reference to fractures of the proximal fibia	A. Gerber and R. Ganz	22
Techniques for control of axes, rotation and length in minimally invasive osteosynthesis	C. Krettek, T. Miclau, O. Grun, P. Schandelmaier and H. Tscherne	29
Foreign language abstracts	German	40
	French	42
	Italian	44
	Spanish	46
	Japanese	48
	Russian	51

PII: S0020-1383(98)00222-8

Author Index

Abdelnoor, M. 509
Abhaykumar, S. 23, 793
Abraham, R. B. 43
Abramovitch, Y. 43
Akalin, Y. 525
Akasaka, K. 377
Akkersdijk, W. L. 11
Akman, S. 525
Akpinar, S. 525
Alexiou, D. 105
Ali, A. 61
Allman, D. B. 363
Alpar, E. K. 15
Amr, M. 619
Anand, S. 215
Ardekian, L. 253
Asari, Y. 380
Asghar, M. 573
Ashkan, K. 383
Atalar, A. C. 525
Atkins, R. M. 535
Avcı, S. 581
Azimuddin, K. 363

Badhe, N. P. 457
Bahadur, R. 737
Bain, I. M. 65, 177
Balasubramaniam, G. 751
Ballmer, F. T. 390
Bankes, M. 435
Barlow, I. W. 383
Bartlett, C. 779
Bass, J. G. 605
Bastounis, E. 105
Baumgaertel, F. S3 (Suppl. 3)
Baumgart, F. S1, S11 (Suppl. 2)
Beardsmore, J. 589
Beausang, E. S. 413
Belcher, P. R. 473
Bendall, S. P. 556
Benirschke, S. K. 101
Bhan, A. 435
Bhatty, G. B. 142
Binfield, P. M. 93
Birch, R. 257
Bircher, M. D. 632
Blagus, G. 369
Bleetman, A. 297
Bohl, M. S3 (Suppl. 3)
Bongard, F. S. 95
Boot, D. A. 55
Borgstein, R. 724
Bowers, K. 187
Bowrey, D. J. 769
Bowry, R. 481
Bowyer, G. W. 636
Boyd, R. 29
Braakman, M. 1, 5
Braithwaite, I. J. 55
Braithwaite, M. 65
Brammer, T. J. 558
Brink, O. 705
Brink, P. R. G. 593
Brooks, R. A. 601
Broos, P. 19
Broos, P. L. O. 81
Brundage, S. 655
Bulstrode, C. 61
Burgert, S. 41
Butt, M. S. 287
Byers, P. M. 503

Caldwell, C. B. 233
Campbell-Smith, T. A. 556
Cannas, M. 451
Carrillo, E. H. 503
Carrillo, L. E. 503
Chacon, P. M. 503
Chadha, M. 737
Chandey, J. 515
Charalambides, C. 632
Charnley, G. J. 489
Chatakondu, S. C. 23
Chen, S.-G. 345
Chen, S.-L. 345
Chen, T.-M. 345
Cheng, T.-Y. 345
Chou, G.-H. 345
Chou, T.-D. 345
Christodoulou, L. 499
Chronopoulos, E. 385
Clarke, M. D. 636
Collier, A. 719
Collins, A. L. 577
Conn, K. S. 539
Connor, S. E. J. 297
Cook, A. L. 65
Cordey, J. 451
Court-Brown, C. M. 529
Cresswell, T. R. 567
Crockard, H. A. 435
Crossman, J. 435
Cullen, K. 481
Cunningham, J. L. 689
Curtin, J. 393
Czerniak, A. 475

D'Arcy, J. C. 481
Daenens, K. 19
DalloVedova, P. 577
Davis, J. 556
Davis, J. R. 632
Dawśon, M. 573
De Mello, W. F. 443
Deb, S. 142
Dekkers, G. H. G. 593
Demirhan, M. 525
Derbyshire, S. 29
Desai, S. P. 645
Deshmukh, R. G. 207
Devaraj, V. S. 261
Devitt, A. 643
Dhaon, B. K. 215
Dinakaran, S. 645
Djeu, J. Y. 35
Dmitrović, B. 369
Douglas, D. L. 323
Doyle, J. 499, 785
Doyle, P. 553
Drew, S. J. 257
Duddy, M. J. 297
ten Duis, H. J. 277, 281
Dynan, Y. 521

Eddy, V. A. 605
Ehrenpreis, M. 363
Eijer, H. 390
Eisma, W. H. 277, 281
El-Hage, Z. M. 73
Elliott, D. S. 23, 793
Elsom, D. M. 645
Emanuelson, I. 193
Emley, W. 101
Emmerson, K. P. 550
Engelberg, I. 475

Evans, N. A. 79, 769
Evans, R. 779
Evans, S. 219

Fahmy, N. 589
Faraj, A. A. 375
Farrington, W. J. 489
Faul, J. L. 479
Ferris, B. D. 791, 798
Field, J. R. 233
Finlay, D. 309, 609
Fischmeister, F. M. 431
Fosse, E. 509
Freiman, S. 730
Fujimura, Y. 377, 775
Funk, L. 317
Fusco, M. A. 605

Gaine, W. J. 589
Gambhir, A. K. 401
Ganocy II, K. S1 (Suppl. 1)
Ganz, R. S7, S22 (Suppl. 3)
Garnavos, C. 269
Gasparri, M. 655
Gaudry, P. L. 677
Gautam, V. K. 215
George, J. 207
Gerber, A. S22 (Suppl. 3)
Getty, J. M. 323
Ghisellini, F. 451
Ghufoor, K. 139
Giannoudis, P. V. 469
Giddins, G. E. B. 257, 447
Gill, P. 543
Glavina, K. 369
Glickman, M. 421
Gonzalez, J. K. 503
Good, C. J. 93
Goodwin, M. I. 671
Graf, B. 219
Graham, C. A. 473
Grant, P. T. 697
Green, J. S. 309
Gregori, A. 211
Griffiths, D. 73
Groothoff, J. W. 277, 281
Gross, E. 561
Grun, O. S29 (Suppl. 3)
Guy, P. S16 (Suppl. 3)

Hadley, G. P. 183, 403
Haentjens, M. H. H. J. 5
Hahn, D. M. 375
Haik, J. 475
Halim, A. S. 261
Hallett, J. P. 539
Halliwell, P. 486
Hamer, A. J. 627
Hamlyn, P. J. 320
Handley, R. 493
Hardman, J. A. 109
Harnroongroj, T. 293, 757
Harper, W. M. 309
Harrington, P. 732
Harrington, R. M. 101
Hassan, T. B. 609
Hearn, T. C. 233
Hećimović, I. 369
Hem, E. S. 313
Henry, J. 697
Hepple, S. 323
Hertel, R. 390
Heruti, R. J. 43
Hewitt, P. M. 399
Hill, R. A. 447
Hindley, C. J. 439
Hirata, M. 380
Hirst, P. 619
Hobbs, C. M. 636
Hopkinson-Woolley, J. A. 585
Horst, H. M. 655
Houshian, S. 77, 651
Howard, L. 227, 417, 685
Howard, P. W. 457
Howell, F. 732
Huggett, J. M. 623
Hughes, T. M. D. 187
Hynes, D. M. 577

Imai, M. 380
Ip, F. K. 248
Ireland, A. J. 473
Isiklar, Z. U. S7 (Suppl. 1)
Ivatury, R. 363

Jago, R. D. 439
Jeffery, J. A. 724
Jenkins, B. 317
Jensen, J. 705
Johansen, A. 779
Johnson, S. M. 577
Joshi, A. S13 (Suppl. 1)
Jovanović, Z. 743
Judich, A. 475

Kakulas, B. A. 335
Kalyanaraman, R. 443
Kanz, K. G. 115
Karkos, C. D. 395
Karmy-Jones, R. 655
Karnezis, I. A. 689
Kawaguchi, S. 47
Kay, N. R. M. 305
Kay, P. R. 401
Keating, J. F. 131
Kelly, I. P. 341
Kelly, M. 211
Kennedy, J. G. 577
Kennedy, R. L. 697
Kevu, J. 785
Khan, U. D. 727
Kiely, P. 640
Kihara, M. 377
King, D. 719
Kingma, J. 353
Kirby, R. M. 65, 177
Kirton, O. C. 503
Kitsis, C. 515
Kivioja, A. 425
Klasen, H. J. 353
Klein, Y. 253
Kligman, M. 246
Kohler, G. S1, S11 (Suppl. 2)
Kojaranon, N. 757
Koka, S. R. 481
Korpela, R. 425
Kosti, P. 711
Kovačević, R. 613
Kralovich, K. 655
Krettek, C. S1, S16, S29 (Suppl. 3)
Kumar, V. P. 629
Kuriansky, J. 475

Labbe, M. S13 (Suppl. 1)
Lam, C. K. J. 248
Lambiris, E. 711
Landy, P. J. B. 199
Lane, T. M. 484
Latham, J. 515
Latham, J. M. 15, 717
Latif, Z. 473
Laufer, D. 253
Learmonth, I. D. 689
Lee, C.-H. 345
Lee, C. T. 791
Lee, T.-W. 345
Leppäniemi, A. K. 105
Lerner, A. 730
Lewan, U. 115
Lewis, D. 543
Li, K. 329
Limb, D. 317
Lindsey, R. W. S1, S7, S13, S18 (Suppl. 1)
Lobenhoffer, P. 546
Lockey, A. S. 99, 493
Lou, K. K. 207
Lunn, P. G. 269
Lyons, K. 109

MacKay, G. 211
Magennis, P. 320
Mahalingum, K. 640, 643
Maharaj, D. 483
Mander, B. J. 397
Mangaleshkar, S. R. 685
Mann, C. F. 75
Mannss, J. S16 (Suppl. 3)
Marcikić, M. 613
Marganit, B. 43
Mars, M. 183, 403
Massraf, A. B. 243
Matsumoto, M. 775
Mayr, J. 431
Mbubaegbu, C. E. 647
McCraig, J. 65
McDougall, P. A. 677
McGrath, P. J. 677
McGuigan, J. 469
McManus, W. F. 577
McNally, E. 61
McQueen, M. M. 529
Meek, R. N. 131
Meighan, A. 211
Melada, A. 613
Michaelson, M. 253
Michail, P. 105
Miclau, T. S29 (Suppl. 3)
Milanesa, D. 363
Miles, A. W. 689
Mintowt-Czyz, W. J. 229
Mishra, S. 142
Mladenović, M. 743
Modi, P. 627
Mohammed, A. 73
Mohr, W. 461
Mollnes, T. E. 509
Morgan-Jones, R. L. 41
Morikawa, M. 301
Mørk, E. 313
Morris Jr, J. A. 605
Morris-Jones, H. 305
Morrison, C. 227
Morrison, C. J. 31
Müller, L. P. 461
Muller, U. S7 (Suppl. 3)
Muneta, T. 265
Muriithi, E. W. 473
Muršić, B. 369

Nabeta, Y. 47
Namias, N. M. 503
Naraynsingh, V. 483
Nast-Kolb, D. 115
Naude, G. P. 95
Neo, C. B. 207
Newman, G. R. 769
Newman, R. J. 421
Nicholson, P. 393, 640, 643
Nierenberg, G. 730
Nikiforidis, G. 711
Nikolić, D. 743
Nordby, C. 509
Nunn, C. R. 605
Nusam, I. 421

O'Connor, D. 564
O'Connor, T. P. F. 413
O'Doherty, D. 647
O'Donoghue, J. M. 413
O'Rourke, S. K. 341
O'Shaughnessy, M. 413
O'Sullivan, S. T. 413
Oakley, P. A. 65
Obeid, E. M. H. 619
Obeid, F. N. 655
Ochsner, P. E. S1, S11 (Suppl. 2)
Oderwald, E. E. 5
Ogiuchi, T. 265
Oh, C. M. 399
Öhman, J. 425
Öhner, T. 431
Ohwada, T. 380
de Oliveira, M. 609
Oliver, C. W. 144, 491, 553
Olkkola, K. T. 425
Ong, C. F. 629
Oni, O. O. A. 31, 227, 417, 685
Oskam, J. 353
Otremski, I. 421

Page, R. E. 727
Pal, H. K. 142
Panchal, J. 413
Pandey, R. 61
Papadakis, S. 385
Pape, H.-C. 219
Parke, T. R. J. 697
Parker, M. J. 521, 585
Patterson, M. 55
Patton Jr, J. H. 655
Paul, A. S. 619
Pei, G. X. 329, 357
Peled, M. 253
Pemberton, D. J. 79
Perez, J. V. 187
Perren, S. 451
Persons, M. 301
Pfeifer, K. J. 115
Phillips, B. 29
Pikarsky, A. J. 561
Pikoulis, E. 105
Pillgram-Larsen, J. 509
Pimpalnerkar, A. L. 751
Pinney, S. J. 131
Porteous, A. J. 535
Porter, J. 363
Porter, K. M. 15
Posch, E. 431
Poulsen, T. D. 77
Poynton, A. R. 341
Prakash, U. 529
Pryke, S. 573

Quinton, D. N. 609
Qureshi, T. 397

Rahman, M. M. 789
Rahn, B. A. S3 (Suppl. 3)
Ravishanker, M. 443
Rayatt, S. S. 320
Raymakers, J. T. F. J. 593
Read, L. 751
Rebollo, M. I. 75
Regel, G. 219
Reilmann, H. 219
Remmers, D. 219
Reynders, P. 81
Rice, J. 393
Richards, H. 478
Richardson, J. B. 41, 73
Richter, M. 546
Riegels-Nielsen, P. 651
Rimmer, S. 529
Rintala, R. 425
Ris, H. B. 390
Rivkind, A. 561
Rizzo, E. 451
Robinson, A. 55
Roffman, M. 246
Rommens, P. M. 461
Rooker, G. D. 558
Rosemurgy, A. S. 35
Rosen, D. 253
Roszler, M. H. 623
Roukema, J. A. 11
Roy, N. 486
Rozman, I. 207
Ruchholtz, S. 115
Russell, I. D. 229
Rutherford, E. J. 605
Ryan, J. M. 677

Sakai, H. 265
Sakarnkosol, S. 763
Sakellaropoulos, G. 711
Salmas, M. G. 711
Samuel, A. W. 564
Sandhu, G. 139
Sapkas, G. S. 385
Sawada, K. 47

Şaylı, U. 581
Schandelmaier, P. S16, S29 (Suppl. 3)
Schwarz, A. F. 431
Schwarz, N. 431
Schweiberer, L. 115
Schwender, D. 115
Seaton, J. 269
Sebewufu, R. 609
Shabtai, M. 475
Shaheen, M. M. 789
Shamsi, S. 287
Shankarappa, Y. K. 798
Sharp, R. J. 717
Shaw, D. L. 469
Shelly, R. W. 383
Shemer, J. 43
Shenolikar, A. 647
Shepard, G. J. 499
Sher, J. L. 550
Shewring, D. 661
Shiga, H. 775
Shinomiya, K. 265
Siebenrock, K. A. S7 (Suppl. 3)
Simha, M. 561
Simonian, P. T. 101
Simpson, A. H. R. W. 717
Skulberg, A. 509
Slater, N. 573
van der Sluis, C. K. 277, 281
Smith, R. 515
Sochart, D. 499
Solan, M. 787
Sorensen, V. J. 655
Sott-Miknas, A. 93
Splavski, B. 369
Stanislas, M. J. C. 15
Stathakopoulos, D. P. 385
Stein, H. 730
Stein, M. 43
Stephens, M. 643
Stephens, M. M. 577
Stirling, A. J. 15
Stone, C. A. 261
Stone, M. 779
Street, J. 640
Strømsøe, K. 313
Stuart, J. 29
Sudhakar, J. E. 535
Suffner, J. 461
Sugimoto, K. 380
Suominen, P. 425
Sutcliffe, J. 139
Suzuki, N. 775
Svennevig, J.-L. 509
Sweeney, J. F. 35
Swiontkowski, M. F. 101

Taha, W. S. 789
Taylor, J. R. 335
Taylor, L. 486
Taylor, M. 515
Taylor, S. 301
Tejan, J. S18 (Suppl. 1)
Tello, E. 791, 798
Templeton, J. 65
Thomas, O. L. 227, 417
Thomas, R. 478
Thompson, G. J. 101
Thomson, G. J. L. 395
Tiwari, P. 65
Toyama, Y. 775
Tscherne, H. 219, S16, S29 (Suppl. 3)
Tscherning, T. 651
Turković, G. 743
Turnbull, G. J. 87, 169
Turner, S. 515
Twomey, L. T. 335

Uglow, M. G. 135
Upadhyay, S. S. 478
Upponi, S. S. 787

Vallieres, E. 655
Vanadurongwan, V. 757, 763
Vanderschot, P. 19
Vesterby, A. 705
Vranković, D. 369
Vulović, R. 743

Wade, P. 515
Wade, R. H. 785
Wagner, J. 655
Wahl, D. 451
Waikakul, S. 757, 763
Walsh, M. G. 577
Wand, J. S. 243
Wanders, L. 144
Wang, H.-J. 345
Wang, S. T. 357
Ward, P. J. 671
Watanabe, M. 377
Waydhas, C. 115
Wei, S. 35
Weinberg, A. 219
Wenda, K. 461
Wendt, L. v 193
Werken, C. vd 11
Whittall, K. P. S16 (Suppl. 3)
Wildin, C. 685
Willett, K. 493
Willett, K. M. 601
Williams, P. R. 229, 661
Williams, R. L. 109
Williams, S. C. 309
Williams, T. G. 484
Wilson, B. 29
Wishart, G. C. 397
Wood, D. 655
Wu, W. C. 248

Xie, C. 329
Xie, C. P. 357

Yagishita, K. 265
Yamamoto, H. 265
Yew, K. S. 207
Young, S. K. 751

Zaki, S. H. 287
Zamir, G. 561
Zhao, D. S. 357
Zintl, B. 115
van Zyl, F. 95
Zyto, K. 349

Typeset in Great Britain by BPC Digital Techset Ltd, Exeter, UK. Printed by Page Bros. Ltd, Norwich, UK